

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 7, 2026

GTRACT

RRID:SCR_009651

Type: Tool

Proper Citation

GTRACT (RRID:SCR_009651)

Resource Information

URL: <http://www.nitrc.org/projects/vmagnotta/>

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Description: A Diffusion Tensor fiber tracking software suite that includes streamline tracking tools. The fiber tracking includes a guided tracking tool that integrates apriori information into a streamlines algorithm. This suite of programs is built using the NA-MIC toolkit and uses the Slicer3 execution model framework to define the command line arguments. These tools can be fully integrated with Slicer3 using the module discovery capabilities of Slicer3. NOTE: All new development is being managed in a github repository. Please visit, <https://github.com/BRAINSia/BRAINSTools>

Abbreviations: GTRACT

Synonyms: Guided Tensor Restore Anatomical Connectivity Tractography

Resource Type: data processing software, image analysis software, image processing software, software application, software resource, software toolkit

Defining Citation: [PMID:16631385](#)

Keywords: c++, dicom, macos, microsoft, modeling, morphology, magnetic resonance, nifti, posix/unix-like, quantification, tensor metric, tractography, windows, dti, diffusion tensor fiber tracking, fiber tracking, nrrd, algorithm, connectivity

Related Condition: Aging

Funding: NARSAD ;
NINDS R01NS050568-01A2S1;
NINDS 5R01NS040068-04;
NIMH 5R01MH063405-04;
NIMH 5R01MH031593-23;
NIMH 2R01MH040856-17A2;

NIA 5K23AG020649-03;
NIDCR 5R01DE014399-04

Availability: BSD License

Resource Name: GTRACT

Resource ID: SCR_009651

Alternate IDs: nlx_155992

Record Creation Time: 20220129T080254+0000

Record Last Update: 20260905T132636+0000

Ratings and Alerts

No rating or validation information has been found for GTRACT.

No alerts have been found for GTRACT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Bijanki KR, et al. (2015) Depressive symptoms related to low fractional anisotropy of white matter underlying the right ventral anterior cingulate in older adults with atherosclerotic vascular disease. *Frontiers in human neuroscience*, 9, 408.

Matsui JT, et al. (2014) Diffusion weighted imaging of prefrontal cortex in prodromal Huntington's disease. *Human brain mapping*, 35(4), 1562.